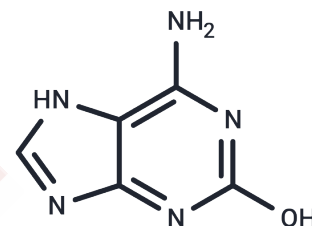


Isoguanine

Chemical Properties

CAS No. :	3373-53-3
Formula:	C ₅ H ₅ N ₅ O
Molecular Weight:	151.13
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Isoguanine, a purine base and isomer of guanine, serves as a building block in organic synthesis.
Targets(IC50)	Nucleoside Antimetabolite/Analog

Solubility Information

Solubility	DMSO: 1.52 mg/mL (10.06 mM), Sonication is recommended. 0.1M NaOH: 10 mg/mL (66.17 mM), Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.6168 mL	33.0841 mL	66.1682 mL
5 mM	1.3234 mL	6.6168 mL	13.2336 mL
10 mM	0.6617 mL	3.3084 mL	6.6168 mL
50 mM	0.1323 mL	0.6617 mL	1.3234 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Bande O, et al. Isoguanine and 5-methyl-isocytosine bases, in vitro and in vivo. Chemistry. 2015 Mar 23;21(13):5009-22.

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